FIG. 1

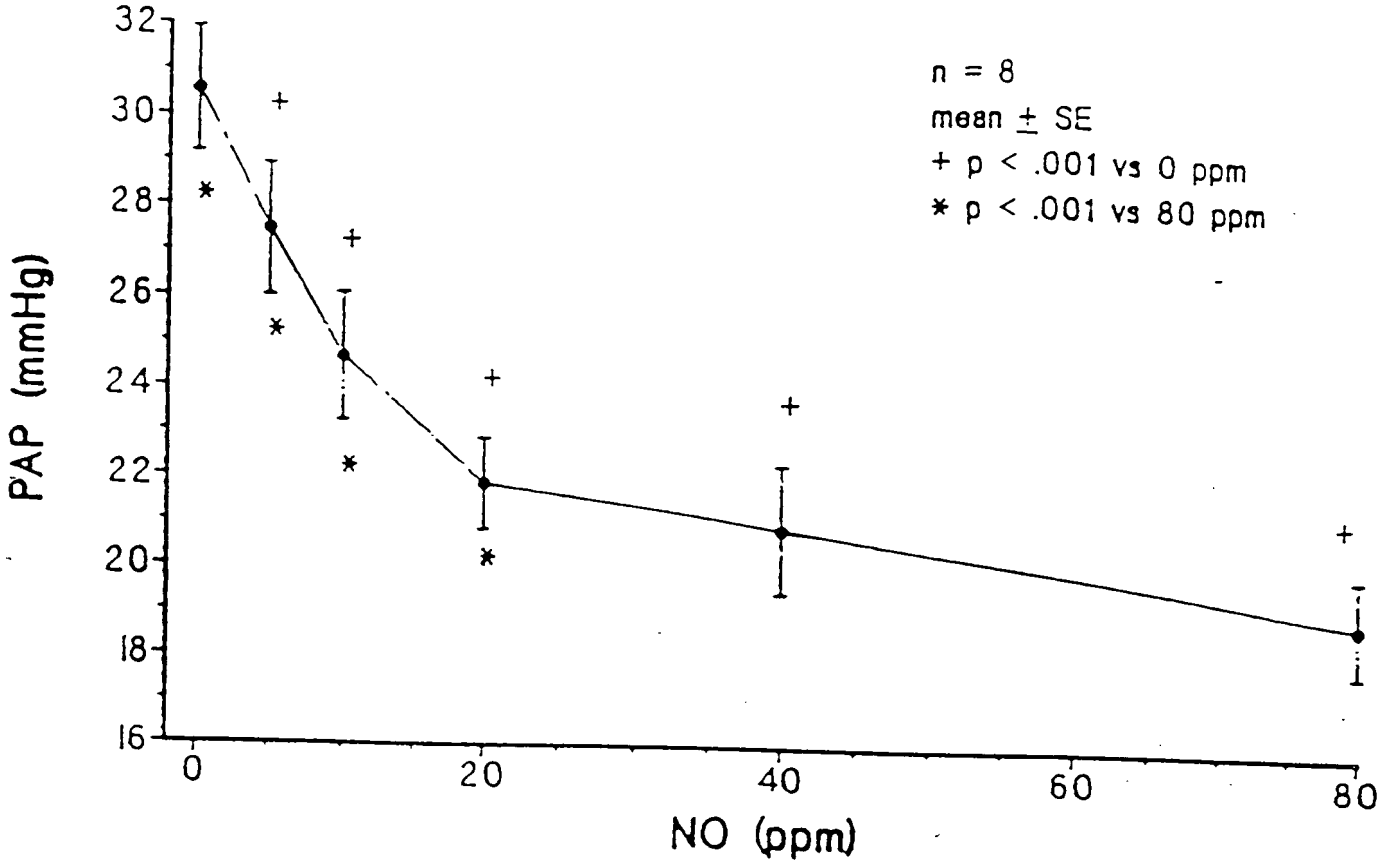

n = 8
mean ± SE
+ p < .001 vs 0 ppm
* p < .001 vs 80 ppm
PAP (mmHg)
32
30
28
26
24
22
20
18
16
0
20
40
60
80
NO (ppm)

FIG. 2

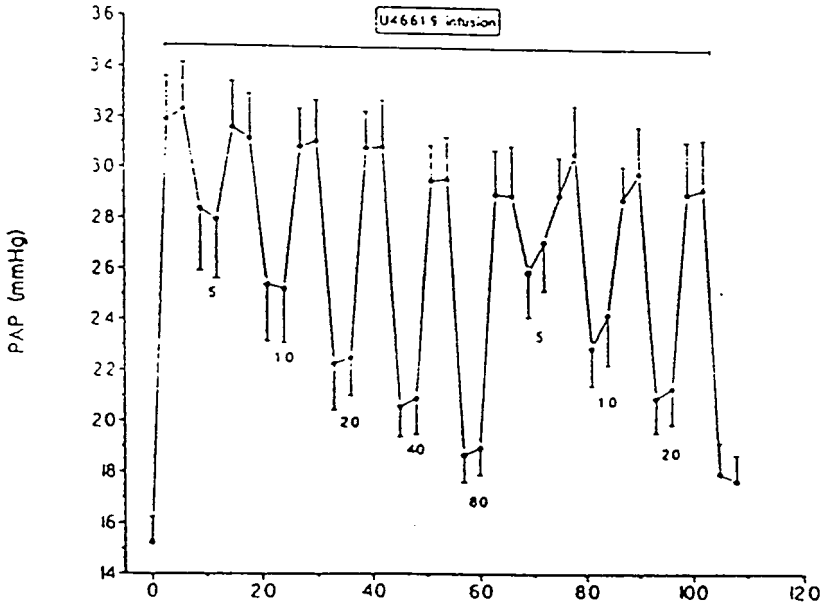

U46619 infusion
PAP (mmHg)
36
34
32
30
28
26
24
22
20
18
16
14
0
20
40
60
80
100
120
5
10
20
40
80
5
10
20

FIG. 3

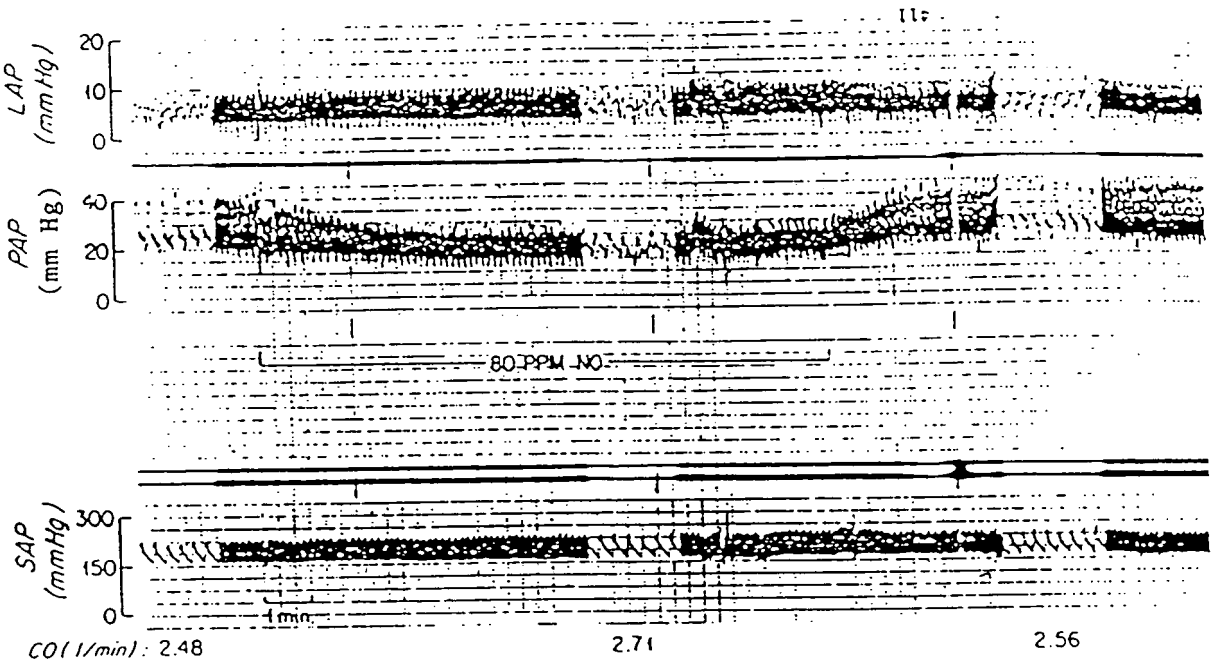

LAP (mmHg)
20
10
0
PAP (mm Hg)
40
20
0
80 PPM NO
SAP (mmHg)
300
150
0
1min
CO(l/min): 2.48
2.71
2.56

FIG. 4

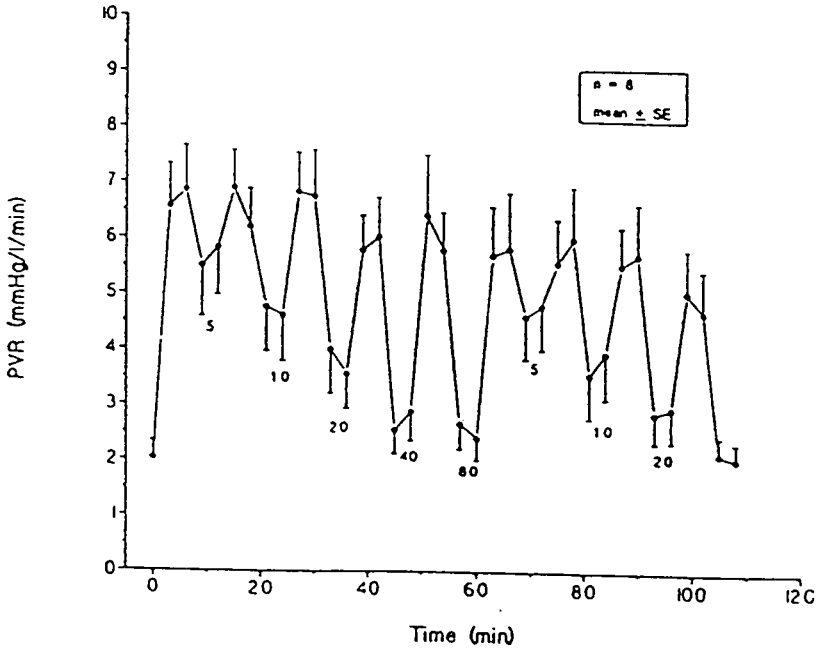
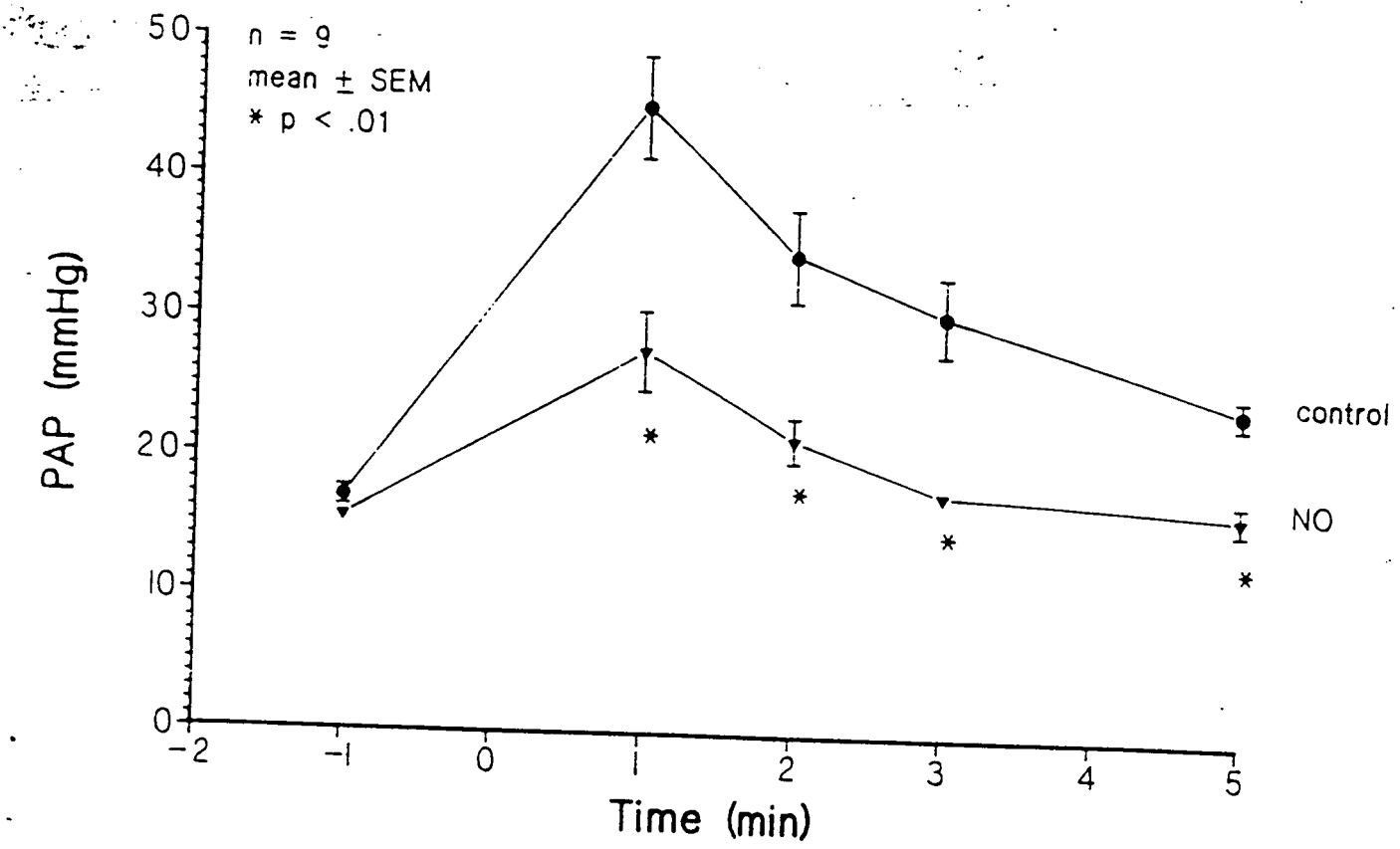

n = 8
mean ± SE
PVR (mmHg/l/min)
Time (min)
0
1
2
3
4
5
6
7
8
9
10
0
20
40
60
80
100
120
5
10
20
40
80
5
10
20

FIG. 5

Inhalation NO 180 ppm



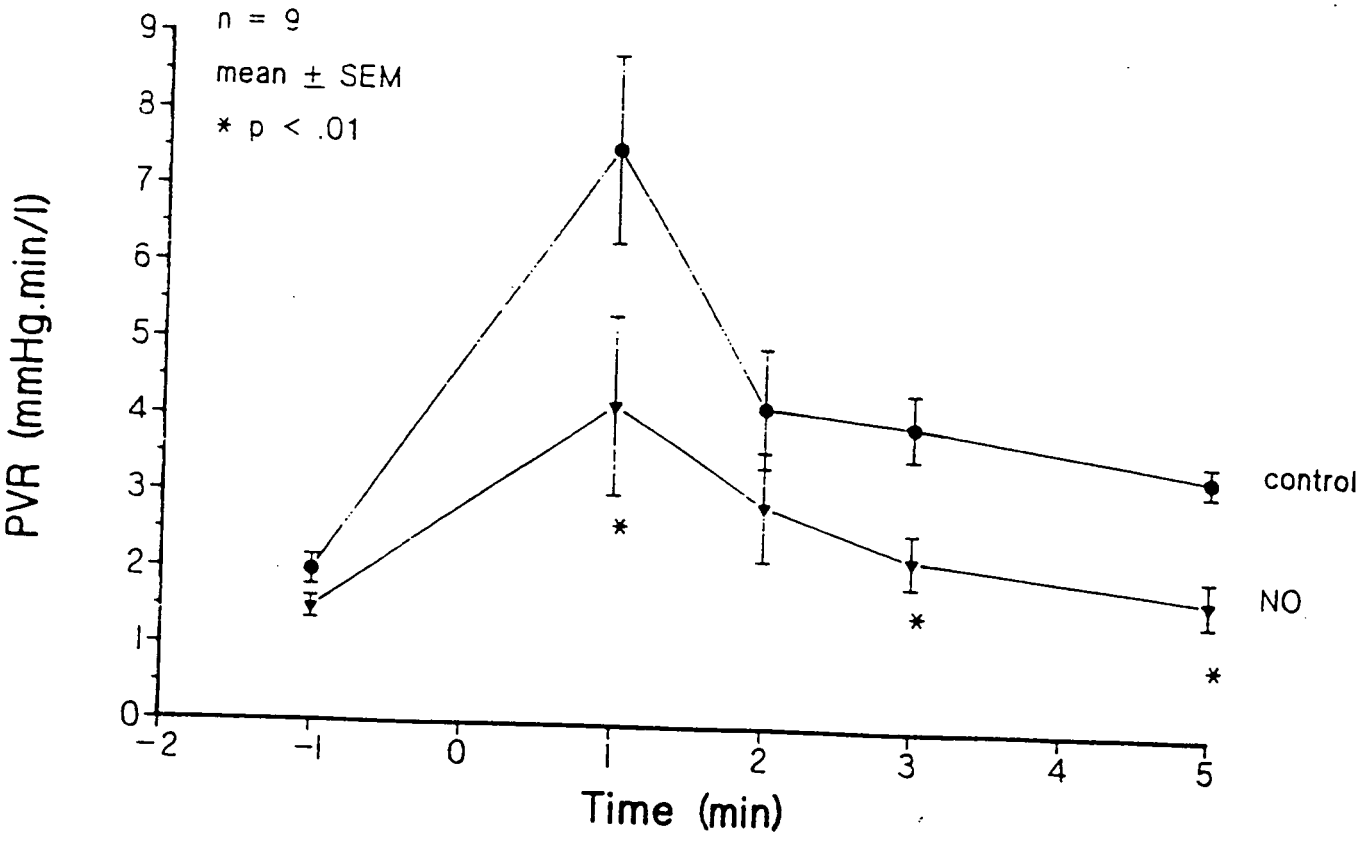
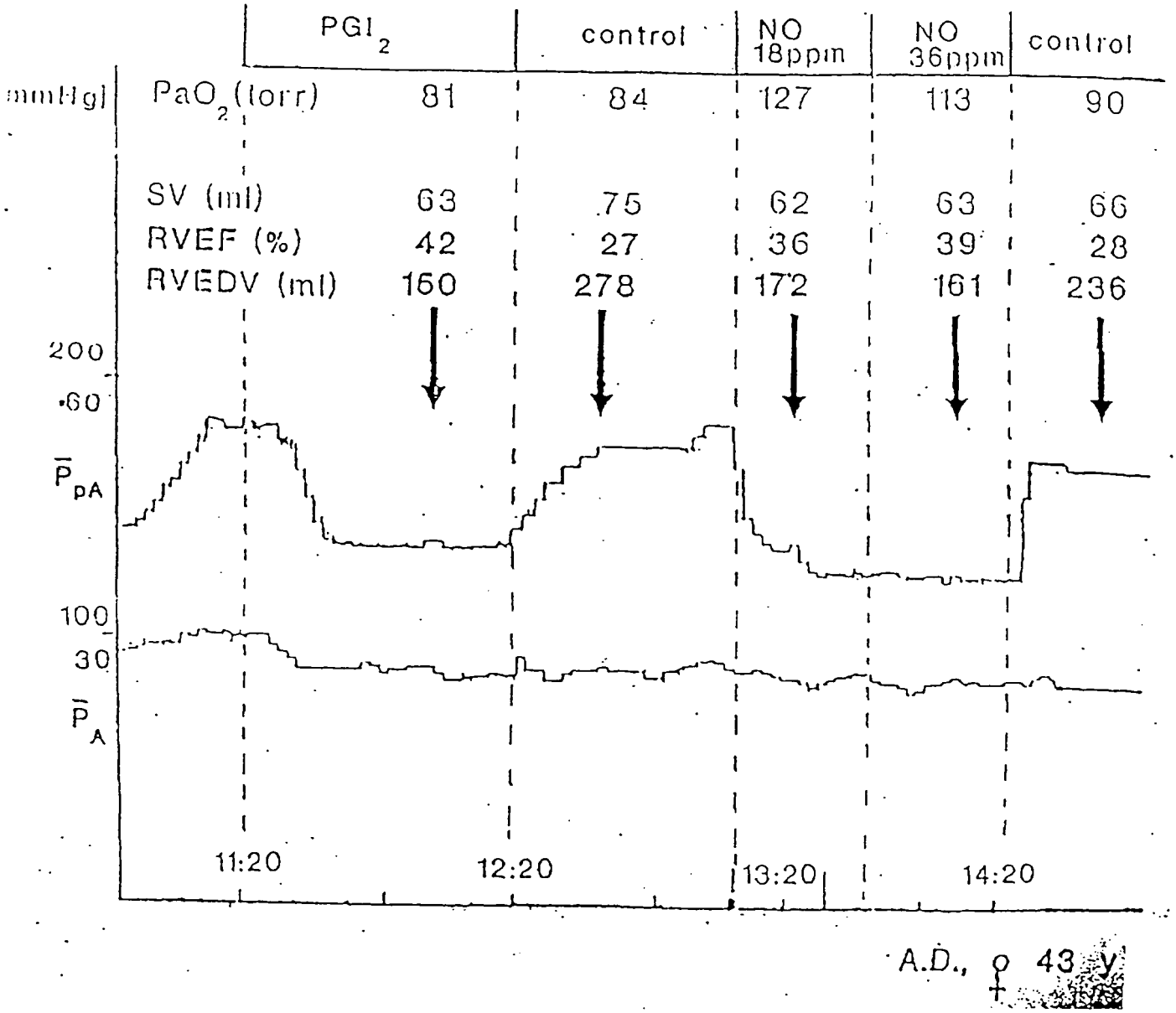
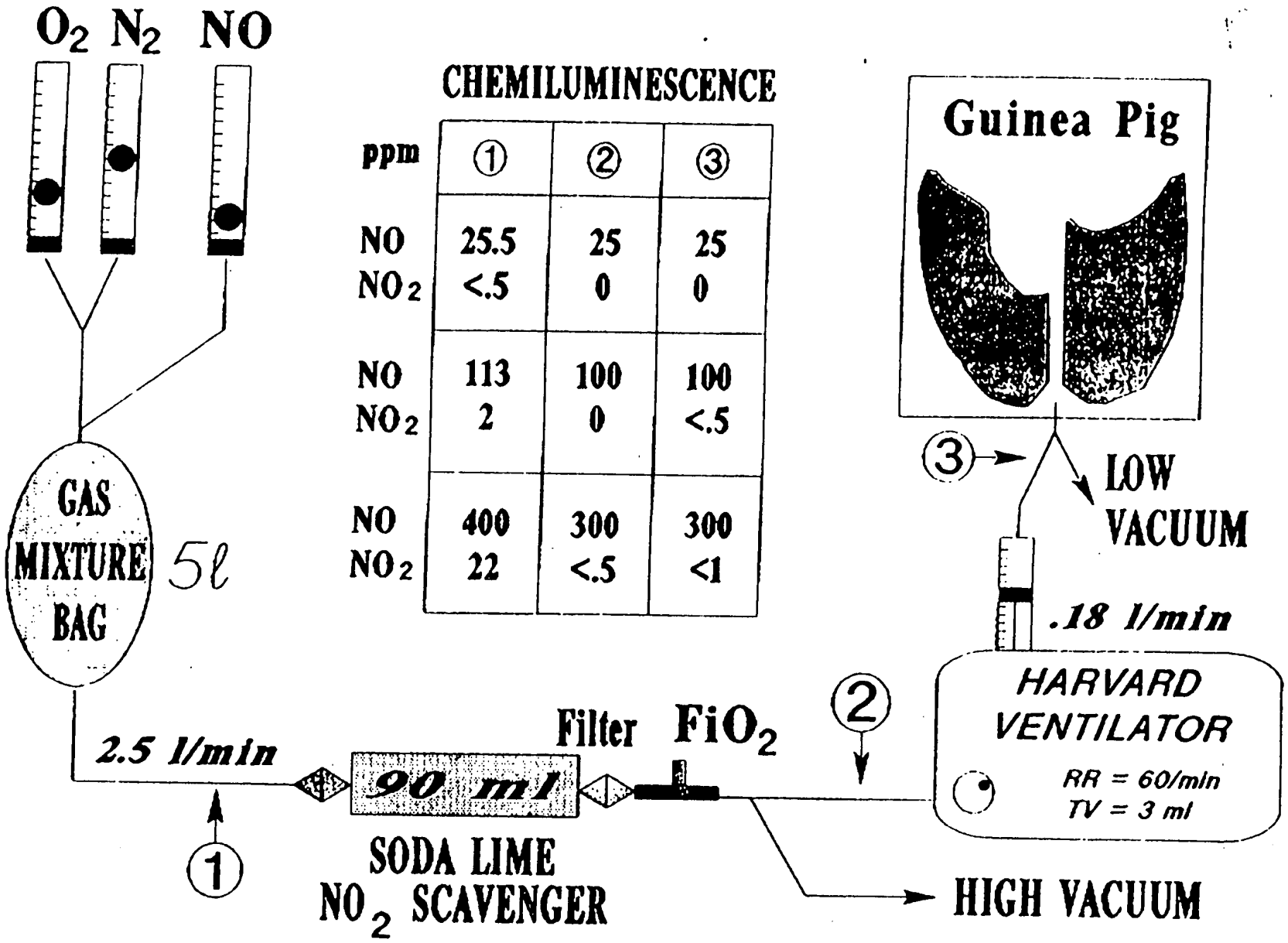


FIG. 6


PGI2
control
NO 18ppm
NO 36ppm
control
[mmHg]
PaO2 (torr)
81
84
127
113
90
SV (ml)
63
75
62
63
66
RVEF (%)
42
27
36
39
28
RVEDV (ml)
160
278
172
161
236
200
60
P̄pA
100
30
P̄A
11:20
12:20
13:20
14:20
A.D., ♀ 43 y



CHEMILUMINESCENCE

ppm	①	②	③
NO	25.5	25	25
NO_2	<.5	0	0
NO	113	100	100
NO_2	2	0	<.5
NO	400	300	300
NO_2	22	<.5	<1

FIG. 7

EFFECT OF NO ON AIRWAY SMOOTH MUSCLE BASELINE TONE

LUNG RESISTANCE ● ,AND COMPLIANCE ■

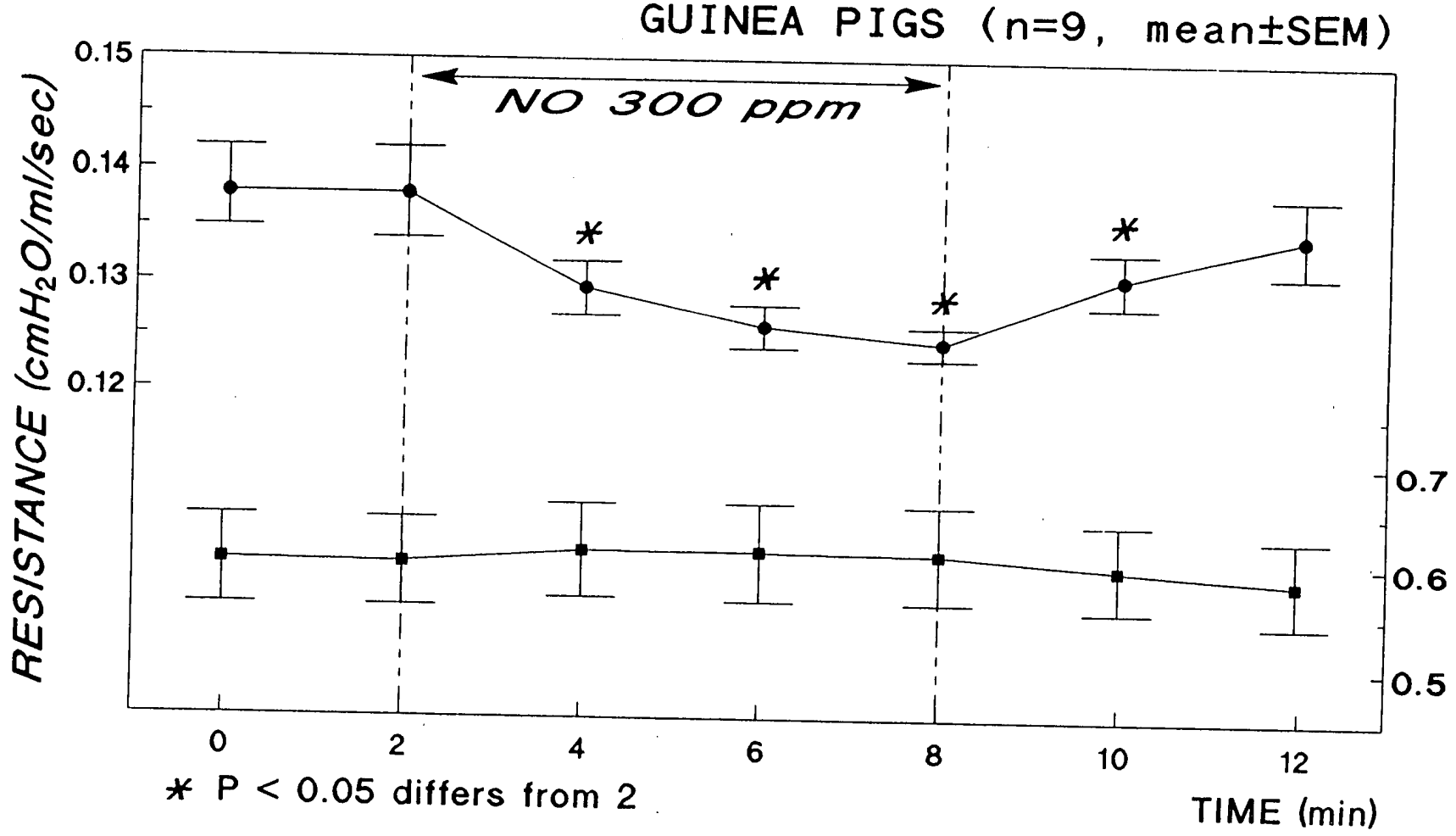


FIG. 8

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EFFECT OF NO ON AIRWAY SMOOTH MUSCLE
DOSE-RESPONSE CURVE - METHACHOLINE INFUSION
LUNG RESISTANCE ○, AND COMPLIANCE □

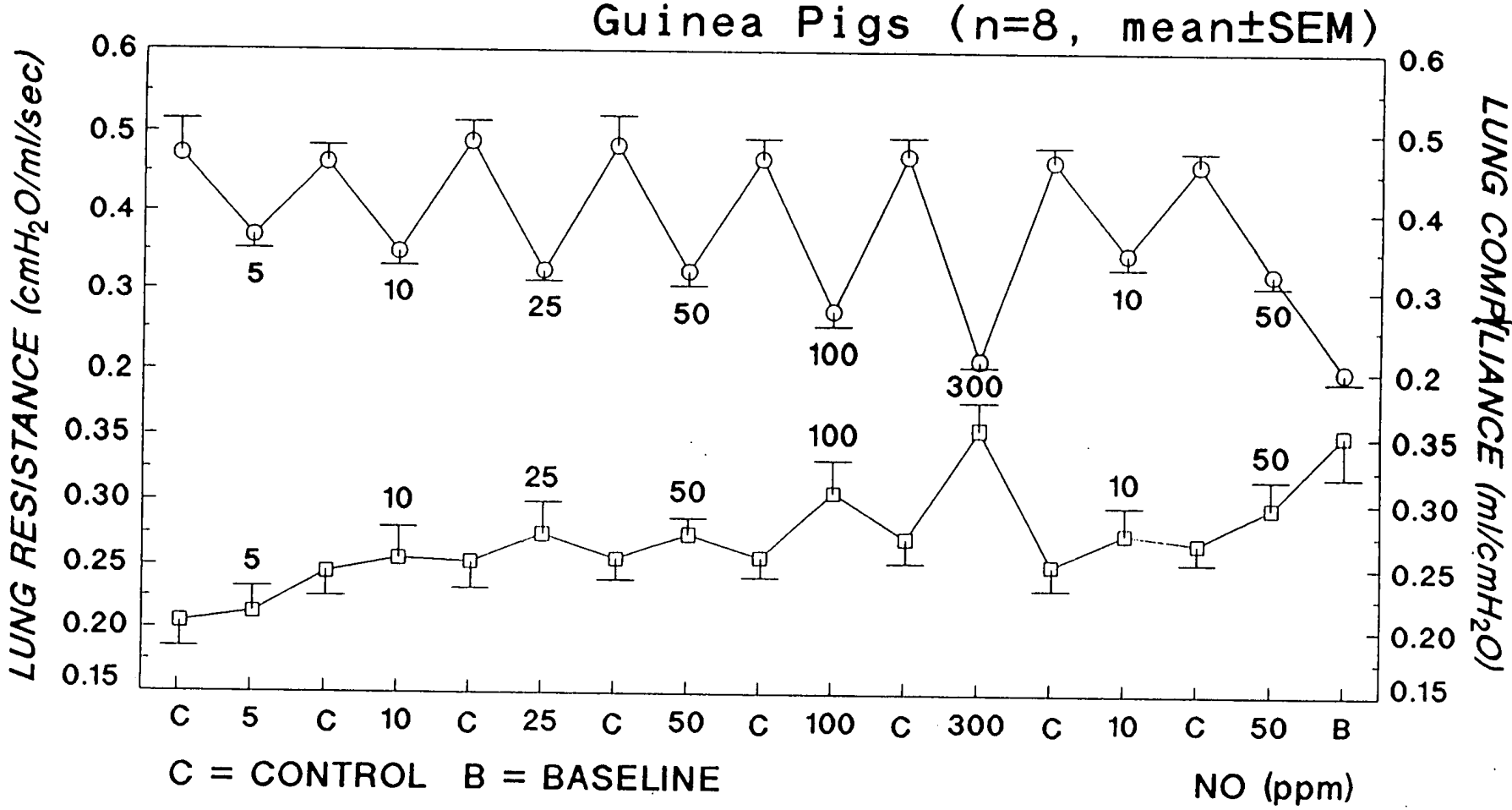

FIG. 6

EFFECT OF NO• ON AIRWAY SMOOTH MUSCLE
DOSE-RESPONSE CURVE - METHACHOLINE INFUSION
LUNG RESISTANCE

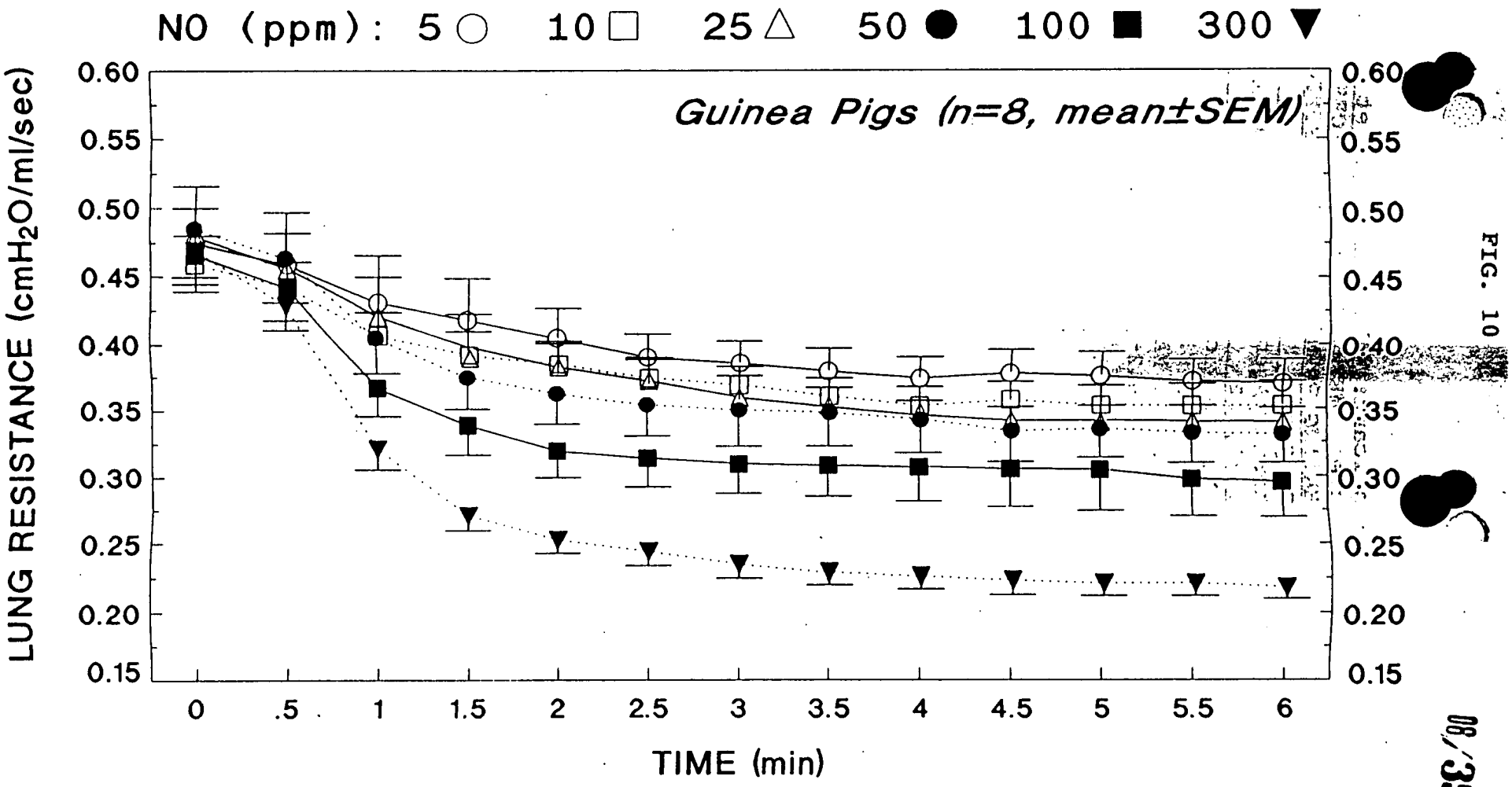

FIG. 10

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EFFECT OF $\dot{NO}$ ON AIRWAY SMOOTH MUSCLE DOSE-RESPONSE CURVE

LUNG RESISTANCE

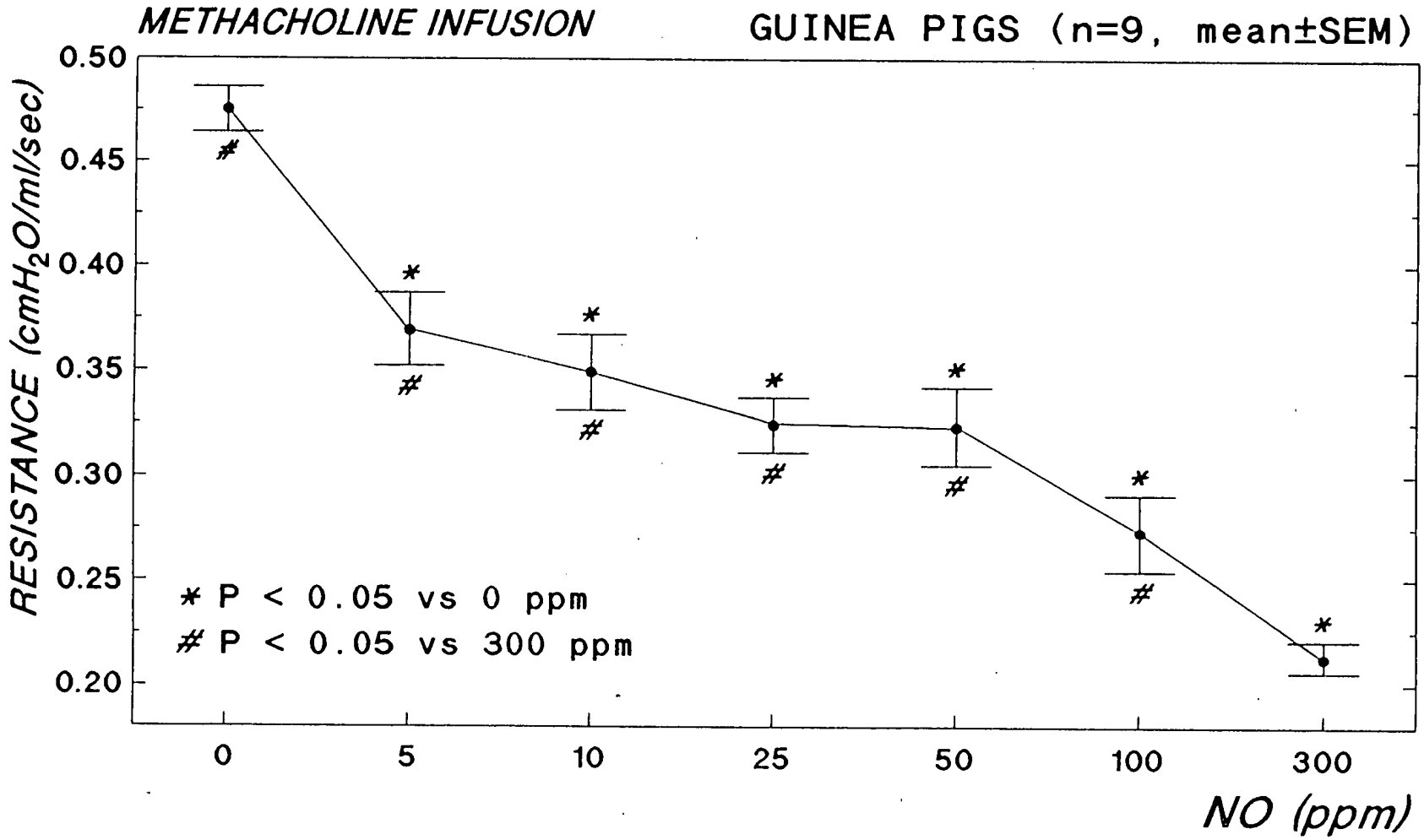

FIG. 11

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EFFECT OF NO• ON AIRWAY SMOOTH MUSCLE DOSE-RESPONSE CURVE - METHACHOLINE INFUSION

PERCENT MAXIMAL CHANGE OF LUNG RESISTANCE

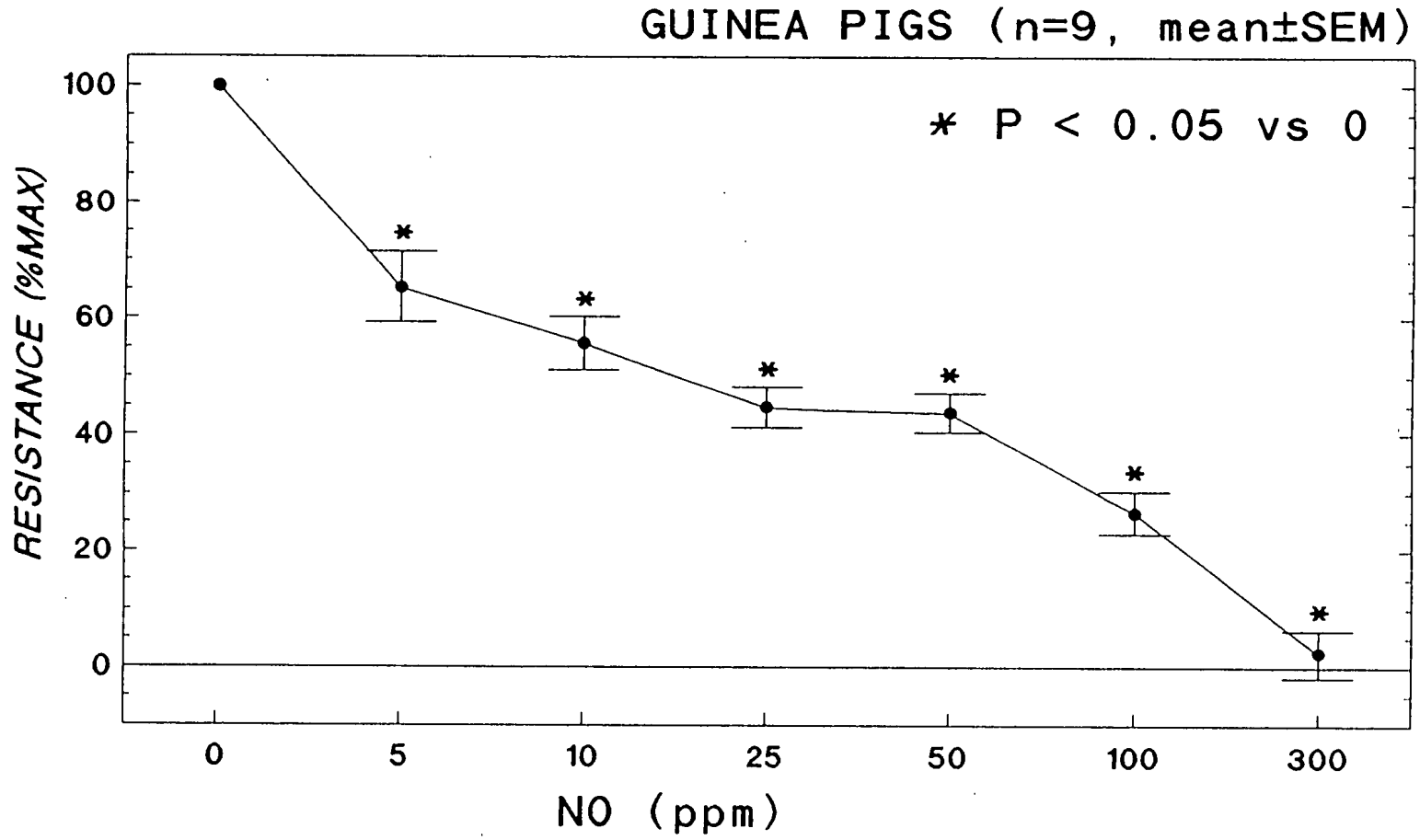

FIG. 12

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EFFECT OF NO• ON AIRWAY SMOOTH MUSCLE
TOLERANCE STUDY - METHACHOLINE INFUSION
LUNG RESISTANCE

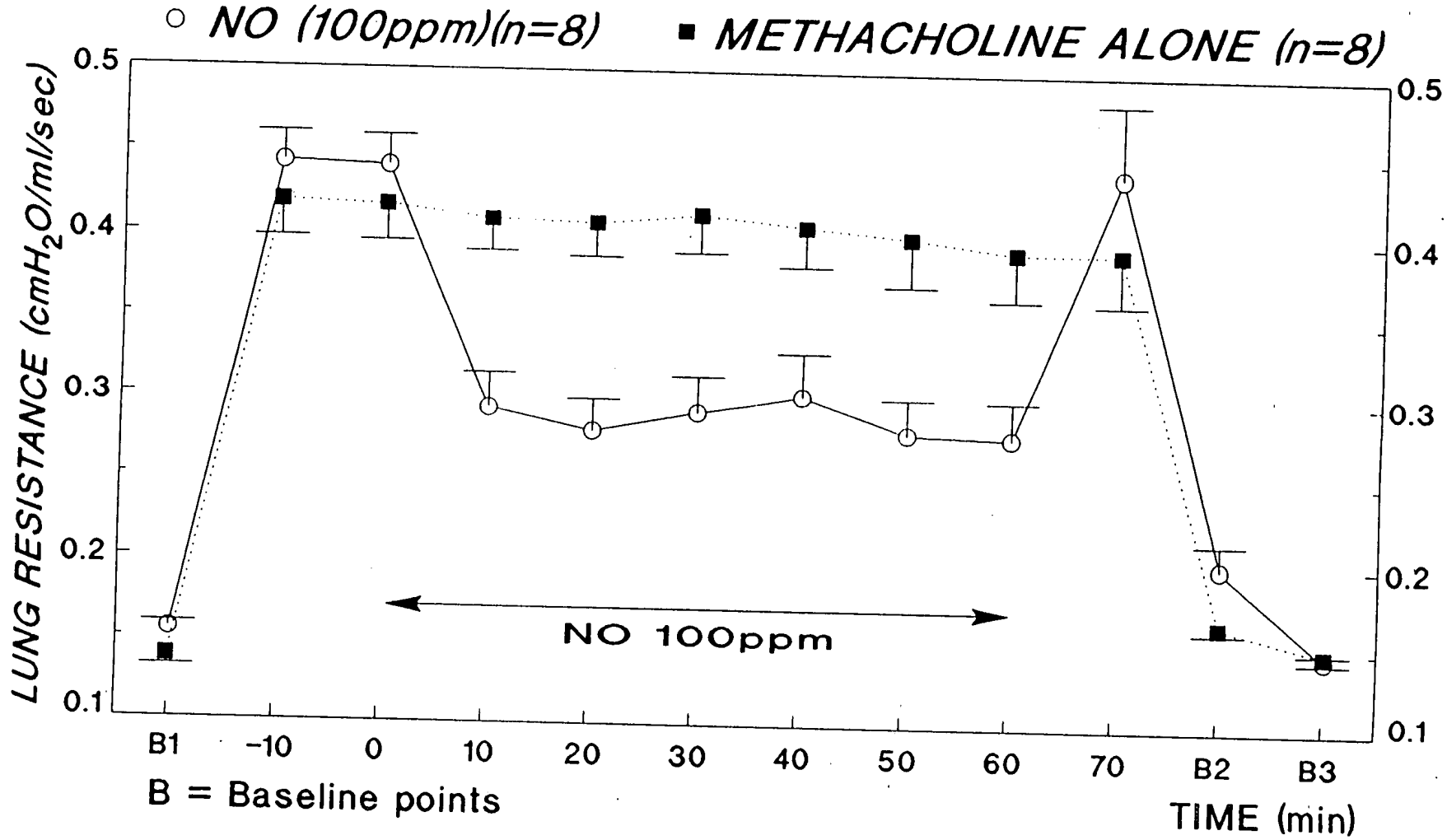

FIG. 13

Fig. 14

EFFECTS OF NO ON AIRWAY SMOOTH MUSCLE TONE CO-REGULATION: cAMP - cGMP DEPENDENT MECHANISMS

LUNG RESISTANCE - METHACHOLINE INFUSION

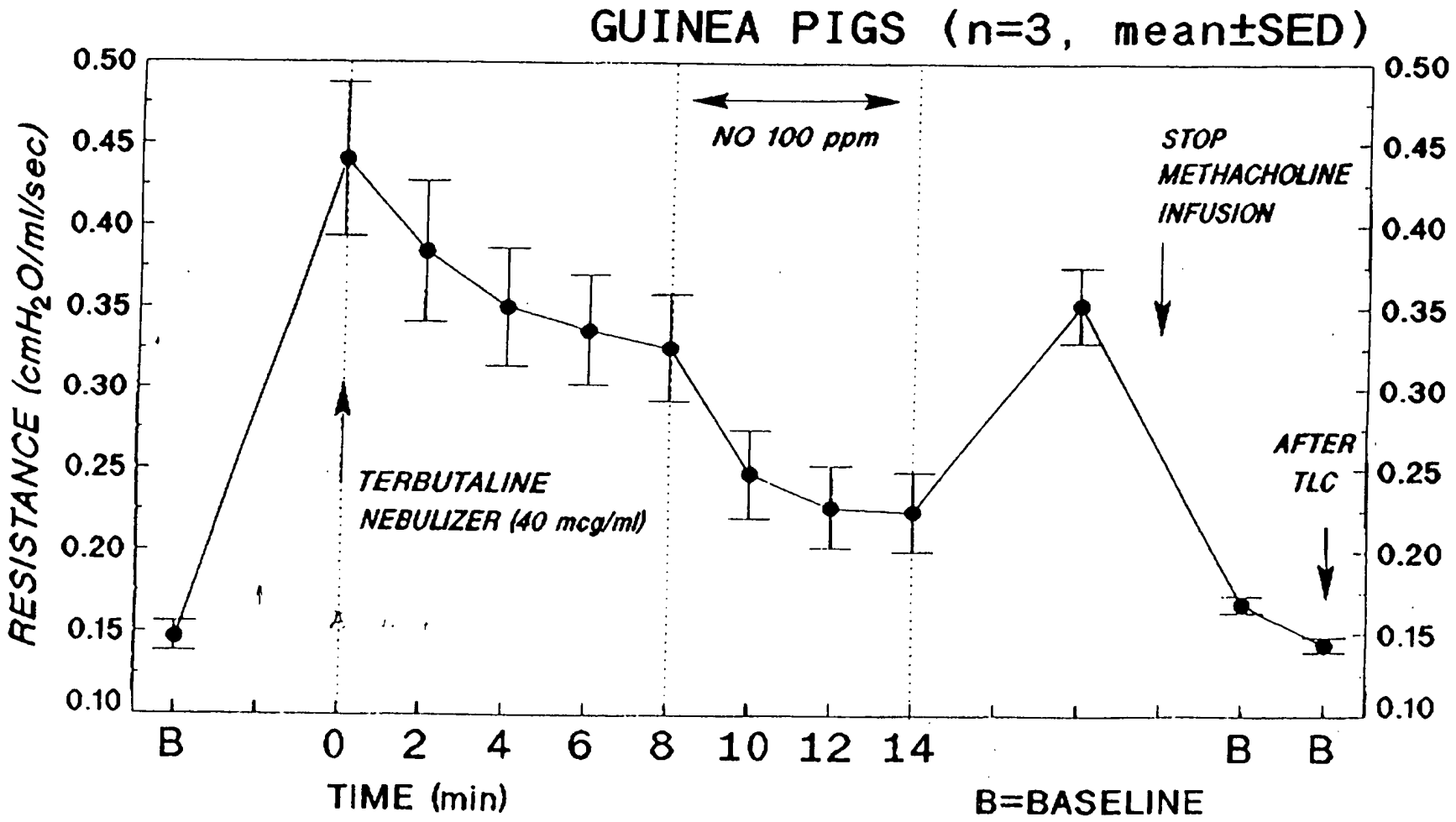

Fig. 15

EFFECTS OF NO ON AIRWAY SMOOTH MUSCLE TONE CO-REGULATION: cAMP AND cGMP DEPENDENT MECHANISMS

LUNG COMPLIANCE - METHACHOLINE INFUSION

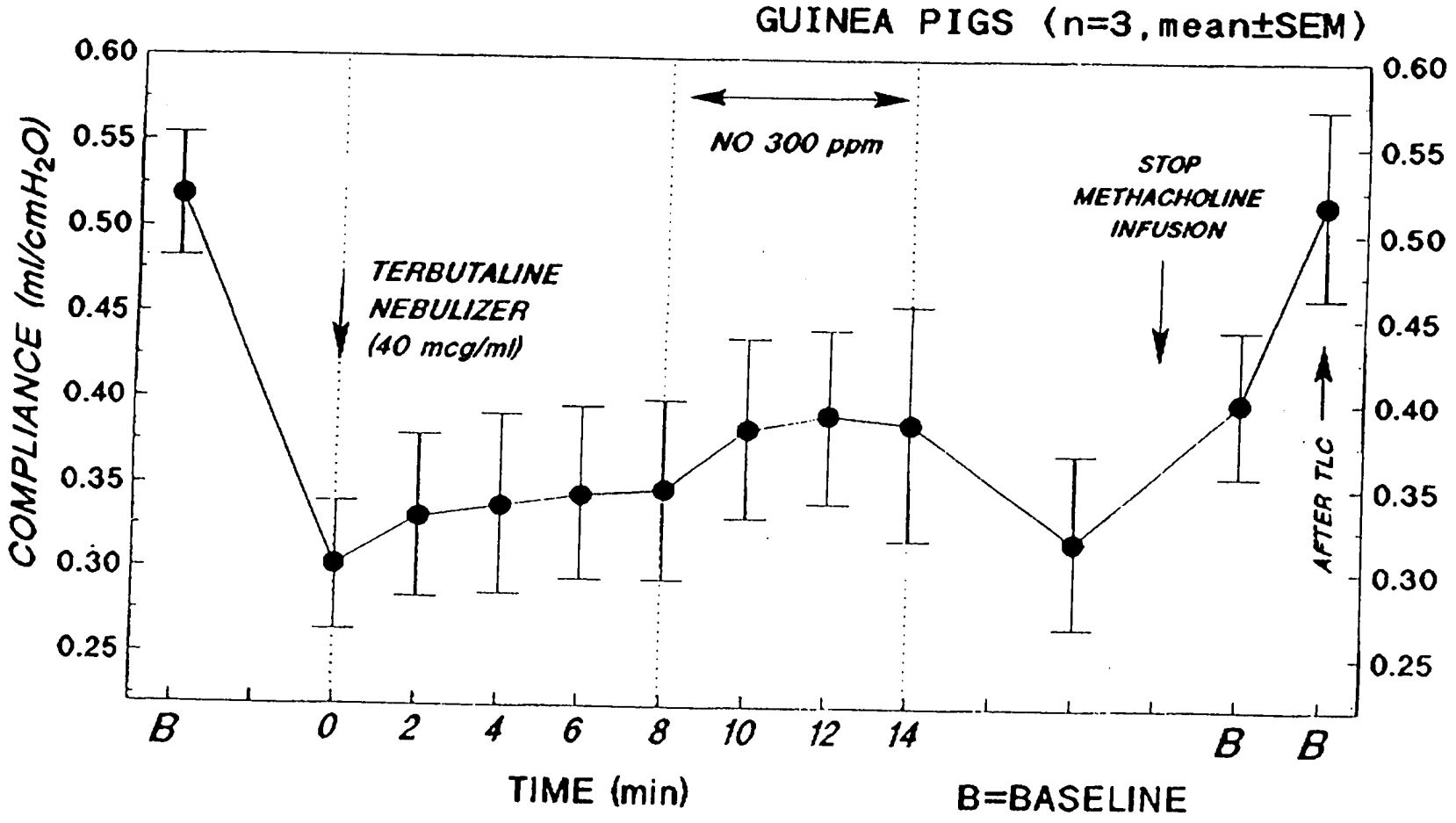

Fig. 16

NO AIRWAY SMOOTH MUSCLE
SNAP PILOT STUDY - METHACHOLINE INFUSION
LUNG RESISTANCE - GUINEA PIG #23

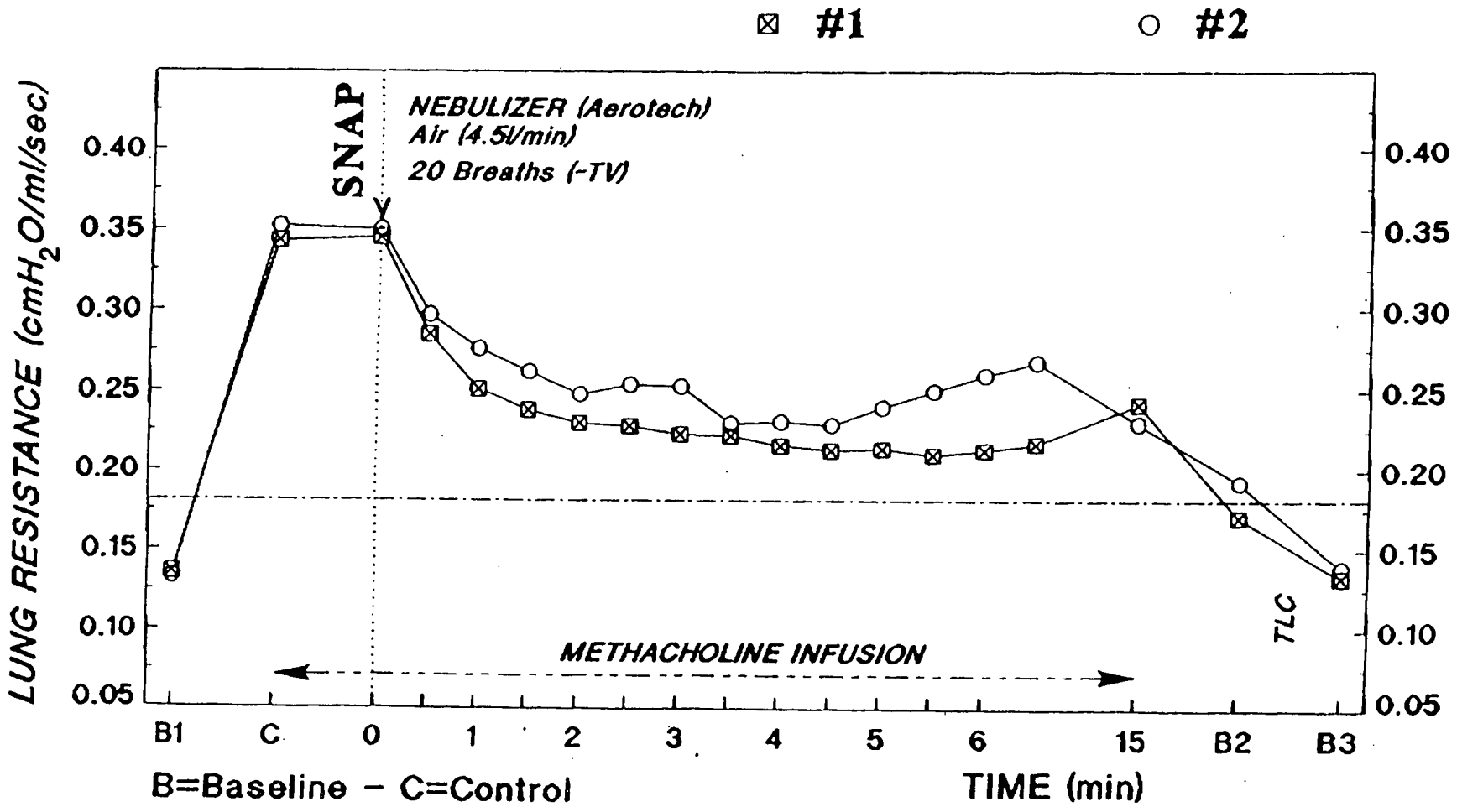

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FIG. 17

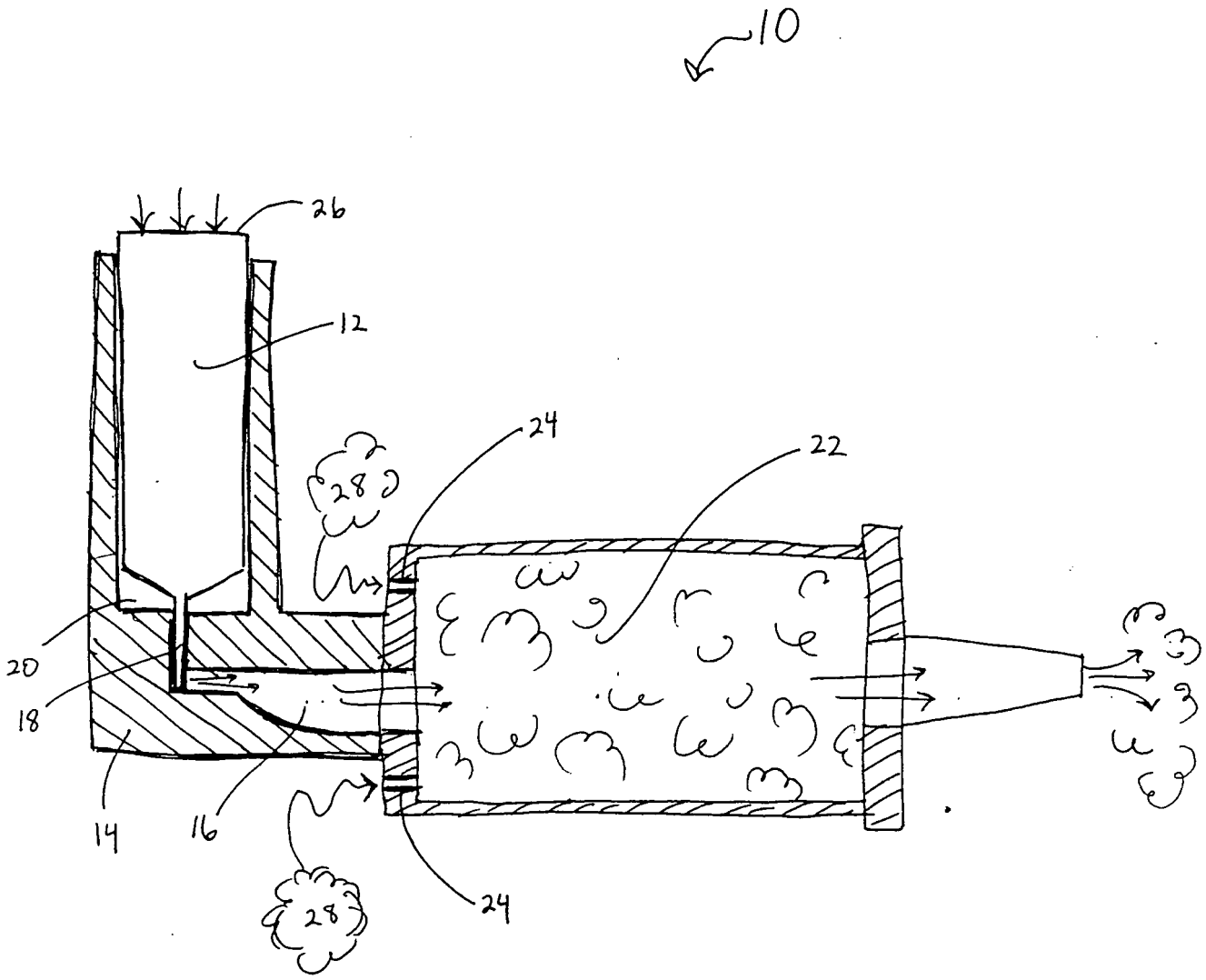

Fig. 18